



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/390,241	09/03/1999	VENKAT V. EASWAR	1552-12-2	6580

20575 7590 09/26/2006

MARGER JOHNSON & MCCOLLOM, P.C.
210 SW MORRISON STREET, SUITE 400
PORTLAND, OR 97204

EXAMINER

VO, TUNG T

ART UNIT	PAPER NUMBER
----------	--------------

2621

DATE MAILED: 09/26/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/390,241	Applicant(s) EASWAR ET AL.	
	Examiner Tung Vo	Art Unit 2621	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 31 July 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5,38-41 and 65-69 is/are pending in the application.
- 4a) Of the above claim(s) 6-37 and 42-64 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5,38-41 and 65-69 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-5, 38-42, and 65-69 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wee et al. (US 6,507,618).

Re claims 1 and 38, Wee teaches a video processing circuit (figs. 1 and 2) for carrying out a method (fig. 25) comprising a processor (figs. 1 and 2, Note the computer (133 of fig. 2)) operable to perform the steps of: receiving (fig. 25) a video signal including an encoded image frame (375 of fig. 25) and an overlay frame (379 of fig. 25); decoding a first region of the encoded image having the first region and a second region (381 of fig. 25, Note the appropriate region that is converted to a spatial domain and obviously considered as a decoded logo region insertion called as a first region of the encoded image frame, wherein the remaining encoded image region is a second region of the encoded image frame); decoding the overlay frame (381 of fig. 25, Note the overlay frame is inputted to the appropriate region converted to the spatial domain so the overlay frame would obviously be decoded); in response to an overlay command (selecting ICR "LOGO" insertion command, col. 26, lines 51-59); modifying the decoded first region to include the decoded overlay frame (393, 395, 387, 399 of fig. 5); and re-encoding the modified first region (401 of fig. 25); where the overlay frame (379 of fig. 25) is distinct from the encoded image frame (375 of fig. 25) including the first and second regions in

Art Unit: 2621

the signal. (See also col. 26, line 30-col. 27, line 34, Note the output process is a compressed video signal (407 of fig. 25) which now includes the inserted logo, and wherein editing was performed without decoding the entirety of each and every frame to the spatial domain).

Re claims 2 and 39, Wee further teaches combining the encoded second region of the image frame (387 of fig. 25) and the re-encoded first region of the image (the output of bit-stream encode (401 of fig. 5) to form an encoded modified image frame (403 of fig. 25).

Re claims 3-4, and 40-41, Wee further teaches the decoding comprises decoding the first region into a pixel domain (393 of fig. 25, Note decoding the first region into spatial domain as considered a transform domain (381, 389 of fig. 25), and mix pixel data as considered a pixel domain); and the modifying comprises modifying the decoded first region in the pixel domain (395 and 397 of fig. 25, Note ORIGINAL + LOGO; modifying the pixel data as considered transform domain).

Re claims 5, Wee further teaches the first region has dimensions and a location within the image frame (fig. 24); and the processor is operable to receive the dimensions and location of the first region within the image frame (col. 25, lines 31-48).

Art Unit: 2621

Re claims 65, 66, and 68, Wee teaches the computer (133 of fig. 2) comprises the memory (137 of fig. 3) would obviously store the re-encoded modified first region and the second region.

Re claim 67, Wee further teaches wherein the processor is operable to decode the first region of the image and the overlay frame by identifying motion vectors (399 of fig. 25).

Re claim 69, Wee further teaches including re-encoding the modified first region responsive to rate controlling (405 of fig. 25).

Conclusion

3. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Art Unit: 2621

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tung Vo whose telephone number is 571-272-7340. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mehrdad Dastouri can be reached on 571-272-7418. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Tung Vo
Primary Examiner
Art Unit 2621